



Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

WASTEWATER

FINAL APPROVAL TO PLACE INTO OPERATION

ISSUED TO: 3V INC
888 WOODSTOCK ST
GEORGETOWN SC 29440-4789

for the operation of a wastewater treatment/collection system permitted under construction permit 19908-IW, dated July 16, 2015, as described below

PROJECT NAME: 3V INC/GEORGETOWN/STEAM STRIPPING UPGRADE
COUNTY: Georgetown
PROJECT DESCRIPTION: Installation of a 4,400 gallon capacity steam stripper and a 17,000 gallon capacity stainless steel receiving tank. These two items replace the previous stem stripper and receiving tank.
PERMITTED FLOW: 250000 gallons per day
WWTP: 3V INC (SC0036111)
SPECIAL CONDITIONS:

1. In accordance with Regulation 61-67, Standards for Wastewater Facility Construction, all wastewater treatment facilities shall be closed out within one hundred eighty (180) days when the facility is closed or the effluent disposal permit is inactivated, terminated or revoked, unless otherwise determined by the Department. Closure of wastewater treatment facilities necessitates the submittal of a closure plan and approval of the plan by the Department in accordance with R.61-82 prior to closure of any wastewater treatment unit(s).

This approval is based on the Engineer's letter of certification signed by Reid Todd, P.E., South Carolina Registration No. 30426.

Larry Ragsdale, Regional Engineer Associate
PEE DEE REGION BEHS MYRTLE BEACH

DATE ISSUED: August 17, 2015

cc: Bureau of Water Permitting File
Christian Whaley, 3V INC

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>Article Addressed to:</p> <p>MR. JAMES ROBINSON</p> <p>ENGINEERING SERVICES DIVISION DIRECTOR</p> <p>BUREAU OF AIR QUALITY</p> <p>600 BULL STREET</p> <p>COLUMBIA, SC 29201</p>		<p>A. Signature</p> <p>X <i>Kayla Anderson</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name)</p> <p>Kayla Anderson</p> <p>C. Date of Delivery</p> <p>5-12-15</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If YES, enter delivery address below:</p>	
<p>Article Number</p> <p>Transfer from service label) 7004 0750 0002 5277 5940</p> <p>Form 3811, July 2013</p>		<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™</p> <p><input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	

Domestic Return Receipt

Re: 502(b)(10) Permit Change. Operating Permit number TV-1140-0031. Reference Construction Permit number 1140-0031-FH

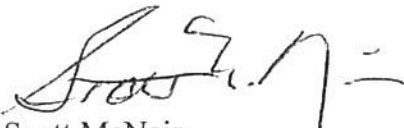
This letter is to notify the Bureau that 3V Inc plans to refurbish and repair corroded sections of the 03C303 steam stripper system.

The reason for the material upgrade is to maintain column system efficiency along with an accurate initial construction design evaluation. The "steam stripper system" was originally installed in 2008 to comply with Group I wastewater stream requirements under 40 CFR 63 Subpart FFF, Miscellaneous Organic Chemical Manufacturing (see referenced construction permit # 1140-0031-FH).

Attached is the requested Title V Operating Permit Change Application Form 502(b)(10).

If you have any questions, comments, or concerns please call me at 843-520-5146 s.mcnaair@3vusa.com or contact Vince Centioni at 843-520-5128 v.centioni@3vusa.com

Sincerely,



Scott McNair
VP of Plant Management



888 Woodstock Rd
Georgetown, SC 29440
Ph: 843.546.8556 Fax: 843.546.0007

May 7st 2015

Mr. James Robinson
Engineering Services Division Director
Bureau of Air Quality
2600 Bull Street
Columbia, South Carolina, 29201

Re: 502(b)(10) Permit Change. Operating Permit number TV-1140-0031. Reference
Construction Permit number 1140-0031-FH

This letter is to notify the Bureau that 3V Inc plans to refurbish and repair corroded sections of the 03C303 steam stripper system.

The reason for the material upgrade is to maintain column system efficiency along with an accurate initial construction design evaluation. The "steam stripper system" was originally installed in 2008 to comply with Group I wastewater stream requirements under 40 CFR 63 Subpart FFF, Miscellaneous Organic Chemical Manufacturing (see referenced construction permit # 1140-0031-FH).

Attached is the requested Title V Operating Permit Change Application Form 502(b)(10).

If you have any questions, comments, or concerns please call me at 843-520-5146
s.mcnaair@3vusa.com or contact Vince Centioni at 843-520-5128 v.centioni@3vusa.com

Sincerely,

A handwritten signature in black ink, appearing to read 'Scott McNair', with a horizontal line extending from the end of the signature.

Scott McNair
VP of Plant Managment



Bureau of Air Quality
Title V Operating Permit Application
502(b)(10) Permit Change
Page 1 of 2

A. FACILITY IDENTIFICATION

1. SC Air Permit Number (8-digits only): 1140 - 0031	2. Application Date: 05/07/2015
3. Facility Name: 3V Inc	

B. 502(b)(10) PERMIT CHANGE DESCRIPTION

1. Anticipated Date of Change: 07/20/2015
2. Description of the change: Material upgrade for 03C303 steam stripper system - column, pipe sections, receiving wastewater vessel after stripping, internal column distributor plates, and internal column packing.
3. Explain in detail why this change does not constitute a Title I modification: Because the refurbishment, repair, and replacement of material from carbon steel to stainless steel (similar-in-kind) does not constitute a modification under parts C and D of Title I or sections 111(a), 112(b)(5), or 112(g) of the Act. The changes do not require a permit under the the South Carolina Air Toxics program, and the change does not cause the emissions allowed under the Title V permit to be exceeded. The change will not contravene an express permit term or condition. It is not a modification as defined under NSPS, NESHAPS. It is not a modification as defined under PSD/nonattainment NSR.
4. Explain why this operational flexibility change does not exceed any allowable emission rate. Explain why this change does not violate any applicable requirements or contravene any federally enforceable permit terms or conditions pertaining to monitoring (including test methods), recordkeeping, reporting or compliance certification requirements.: Repairing and upgrading the material of the column outer shell, piping sections, column internals, and receiving wastewater vessel (similar-in-kind) maintains system efficiency and validates the initial construction design evaluation. The physical demensions of the the column-03C303, recovery accumulator vessel-04V405, and process condenser-04E405 will not change. All repairs will be conducted during a facility wide plant two week shutdown thereby eliminating any exceedance of allowable emissions. Material upgrades/repairs of the steam stripper system are necessary to comply with Group I wastewater stream requirments under 40 CFR 63 Subpart FFF, Miscellaneous Organic Chemical Manufacturing. As of today the company is not producing Luxus 5, but it may begin manufacturing the chemical in the future.

C. CERTIFICATION OF CONSTRUCTION

(This form must be postmarked within 15 days after actual date of initial startup of each new or altered source.)

1. Construction Permit ID	2. Equipment ID / Process ID / Control Device ID	3. Equipment / Process / Control Device Description (Include the Make and Model if applicable.)	4. Initial Start-up Date
n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a

D. SIGNATURE OF PERSON CERTIFYING CONSTRUCTION

(Signature of the individual, either the Responsible Official or Professional Engineer, who is certifying construction.)

I certify, to the best of my knowledge and belief, and as a result of periodic observation during construction, the construction has been completed in accordance with the specifications agreed upon in the construction permit(s) issued by the Department. I understand that any statements and/or descriptions, which are found to be incorrect, may result in the immediate revocation of any permit issued.

N/A

Signature

Date



Bureau of Air Quality
Title V Operating Permit Application
502(b)(10) Permit Change
Page 2 of 2

E. PROJECTED CHANGE IN EMISSIONS FACILITY WIDE

(Attach detailed calculations to support these projections.)

1. Pollutant Name	2. CAS Number	3. Actual Emissions Facility Wide Prior to the Change (TPY)		4. Projected Actual Emissions Facility Wide After the Change (TPY)		5. Projected Increase or Decrease in Actual Emissions (+/- TPY)	
		Uncontrolled	Controlled	Uncontrolled	Controlled	Uncontrolled	Controlled
methylene chloride	75-09-2	8.63E+02	2.04E+00	8.63E+02	2.04E+00	0.000	0.000

F. PROFESSIONAL ENGINEER IN CHARGE OF PROJECT

(Include if certifying construction in accordance with the specifications in the construction permit(s) issued by the Department)

Consulting Firm Name:			
Title/Position:	Salutation:	First Name:	Last Name:
Mailing Address:		State:	Zip Code:
City:	Phone No.:		Cell No.:
E-mail Address:			
SC License/Registration No.:			

G. RESPONSIBLE OFFICIAL

Title/Position: VP Plant Management	Salutation: Mr.	First Name: Scott	Last Name: McNair
Mailing Address: 888 Woodstock Rd		State: SC	Zip Code: 29440
City: Georgetown	Phone No.: 843-520-5146		Cell No.:
E-mail Address: s.mcnaire@3vusa.com			

RESPONSIBLE OFFICIAL SIGNATURE

I certify, to the best of my knowledge and belief, that no applicable standards and/or regulations will be contravened or violated. I certify that any application form, report, or compliance certification submitted in this permit application is true, accurate, and complete based on information and belief formed after reasonable inquiry. I understand that any statements and/or descriptions which are found to be incorrect may result in the immediate revocation of any permit issued for this application.

 Signature of Responsible Official

05/07/2015

 Date

Summary of Change - 03C303 Steam System Upgrade:

Equipment: Distributor plates and internal packing material

Supplier: KOCH-GLITSCH, LP

Items upgraded from current 304 SS grade material to 316L SS grade material:

- Orifice Deck Distributor (Model 116)
- 80 ft³ IMTP 40 random packing
- Gas injection support plate (Model 814 Std)
- Orifice deck distributor (Model 117)
- 80 ft³ IMTP 40 random packing
- Gas injection support plate (Model 814 Std)
- V-586 wastewater receiving vessel
- Certain sections of pipe associated with the waste stripping process

Items upgraded from 304 and carbon steel to alloy 2205 stainless steel:

- 03C303 outer shell

Physical dimension change:

- V-586 (storage tank Group II wastewater vessel after solvent stripping from C-303). Increase in capacity by 13% to avoid potential process shutdowns and/or production downtime.